

Qionghai Dai

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

455
papers

11,332
citations

57
h-index

90
g-index

592
ext. papers

14,487
ext. citations

5.9
avg, IF

6.92
L-index

#	Paper	IF	Citations
455	3-D object retrieval and recognition with hypergraph analysis. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 4290-303	8.7	439
454	Efficient Parallel Framework for HEVC Motion Estimation on Many-Core Processors. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2014 , 24, 2077-2089	6.4	339
453	A Highly Parallel Framework for HEVC Coding Unit Partitioning Tree Decision on Many-core Processors. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 573-576	3.2	311
452	Deep Direct Reinforcement Learning for Financial Signal Representation and Trading. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 653-664	10.3	248
451	WBSMDA: Within and Between Score for MiRNA-Disease Association prediction. <i>Scientific Reports</i> , 2016 , 6, 21106	4.9	238
450	Light Field Image Processing: An Overview. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2017 , 11, 926-954	7.5	233
449	Camera constraint-free view-based 3-D object retrieval. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 2269-81	8.7	193
448	A Hierarchical Fused Fuzzy Deep Neural Network for Data Classification. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 1006-1012	8.3	182
447	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 284-295	6.1	171
446	. <i>IEEE Transactions on Multimedia</i> , 2011 , 13, 1007-1018	6.6	163
445	. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 2088-2098	8.9	157
444	. <i>IEEE Transactions on Multimedia</i> , 2018 , 20, 3389-3398	6.6	148
443	Constructing lncRNA functional similarity network based on lncRNA-disease associations and disease semantic similarity. <i>Scientific Reports</i> , 2015 , 5, 11338	4.9	134
442	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 2675-2685	6.6	129
441	Spatial-spectral encoded compressive hyperspectral imaging. <i>ACM Transactions on Graphics</i> , 2014 , 33, 1-11	7.6	129
440	A novel approach to fuzzy rough sets based on a fuzzy covering. <i>Information Sciences</i> , 2007 , 177, 2308-2326	7.7	126
439	. <i>IEEE Transactions on Multimedia</i> , 2020 , 22, 229-241	6.6	124

438	RBMMMDA: predicting multiple types of disease-microRNA associations. <i>Scientific Reports</i> , 2015 , 5, 13877-9	11.9	122
437	Effective Uyghur Language Text Detection in Complex Background Images for Traffic Prompt Identification. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 220-229	6.1	122
436	Computational Snapshot Multispectral Cameras: Toward dynamic capture of the spectral world. <i>IEEE Signal Processing Magazine</i> , 2016 , 33, 95-108	9.4	112
435	3D model comparison using spatial structure circular descriptor. <i>Pattern Recognition</i> , 2010 , 43, 1142-1151	7.7	110
434	Parallel deblocking filter for HEVC on many-core processor. <i>Electronics Letters</i> , 2014 , 50, 367-368	1.1	108
433	A Prism-Mask System for Multispectral Video Acquisition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2011 , 33, 2423-35	13.3	107
432	A Fine-Grained Image Categorization System by Cellet-Encoded Spatial Pyramid Modeling. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 564-571	8.9	102
431	Fourier ptychographic reconstruction using Wirtinger flow optimization. <i>Optics Express</i> , 2015 , 23, 4856-663	6.6	94
430	Full-reference quality assessment of stereoscopic images by learning binocular receptive field properties. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 2971-83	8.7	94
429	Rank Minimization for Snapshot Compressive Imaging. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 2990-3006	13.3	94
428	DoubleFusion: Real-Time Capture of Human Performances with Inner Body Shapes from a Single Depth Sensor 2018 ,		94
427	DeepHuman: 3D Human Reconstruction From a Single Image 2019 ,		88
426	Light Field Reconstruction Using Deep Convolutional Network on EPI 2017 ,		87
425	Dual-coded compressive hyperspectral imaging. <i>Optics Letters</i> , 2014 , 39, 2044-7	3	86
424	Efficient parallel HEVC intra-prediction on many-core processor. <i>Electronics Letters</i> , 2014 , 50, 805-806	1.1	84
423	Residual Highway Convolutional Neural Networks for in-loop Filtering in HEVC. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 3827-3841	8.7	83
422	Hyperspectral image classification through bilayer graph-based learning. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 2769-78	8.7	83
421	Low-rank structure learning via nonconvex heuristic recovery. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 383-96	10.3	82

4 ²⁰	Manifold-manifold distance and its application to face recognition with image sets. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 4466-79	8.7	82
4 ¹⁹	3D model retrieval using weighted bipartite graph matching. <i>Signal Processing: Image Communication</i> , 2011 , 26, 39-47	2.8	81
4 ¹⁸	Similarity-based online feature selection in content-based image retrieval. <i>IEEE Transactions on Image Processing</i> , 2006 , 15, 702-12	8.7	79
4 ¹⁷	Multispectral imaging using a single bucket detector. <i>Scientific Reports</i> , 2016 , 6, 24752	4.9	78
4 ¹⁶	Discriminative Clustering and Feature Selection for Brain MRI Segmentation. <i>IEEE Signal Processing Letters</i> , 2015 , 22, 573-577	3.2	76
4 ¹⁵	Experimental comparison of single-pixel imaging algorithms. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2018 , 35, 78-87	1.8	76
4 ¹⁴	Fourier-space Diffractive Deep Neural Network. <i>Physical Review Letters</i> , 2019 , 123, 023901	7.4	75
4 ¹³	Stretchable and Temperature-Sensitive Polymer Optical Fibers for Wearable Health Monitoring. <i>Advanced Functional Materials</i> , 2019 , 29, 1902898	15.6	72
4 ¹²	Camera array based light field microscopy. <i>Biomedical Optics Express</i> , 2015 , 6, 3179-89	3.5	72
4 ¹¹	Scalable analysis of cell-type composition from single-cell transcriptomics using deep recurrent learning. <i>Nature Methods</i> , 2019 , 16, 311-314	21.6	70
4 ¹⁰	Markerless motion capture of multiple characters using multiview image segmentation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2013 , 35, 2720-35	13.3	70
4 ⁰⁹	View-Based 3D Object Retrieval: Challenges and Approaches. <i>IEEE MultiMedia</i> , 2014 , 21, 52-57	2.1	68
4 ⁰⁸	BodyFusion: Real-Time Capture of Human Motion and Surface Geometry Using a Single Depth Camera 2017 ,		67
4 ⁰⁷	Reweighted low-rank matrix recovery and its application in image restoration. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 2418-30	10.2	66
4 ⁰⁶	Large-scale neuromorphic optoelectronic computing with a reconfigurable diffractive processing unit. <i>Nature Photonics</i> , 2021 , 15, 367-373	33.9	65
4 ⁰⁵	Actively learning human gaze shifting paths for semantics-aware photo cropping. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 2235-45	8.7	64
4 ⁰⁴	Content adaptive illumination for Fourier ptychography. <i>Optics Letters</i> , 2014 , 39, 6648-51	3	63
4 ⁰³	Cooperative Deep Reinforcement Learning for Large-Scale Traffic Grid Signal Control. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 2687-2700	10.2	62

402	A concatenational graph evolution aging model. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2012 , 34, 2083-96	13.3	60
401	Toward a Blind Deep Quality Evaluator for Stereoscopic Images Based on Monocular and Binocular Interactions. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 2059-74	8.7	59
400	Robust Non-rigid Motion Tracking and Surface Reconstruction Using L0 Regularization 2015 ,		58
399	Intrinsic video and applications. <i>ACM Transactions on Graphics</i> , 2014 , 33, 1-11	7.6	57
398	Graph Laplace for occluded face completion and recognition. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 2329-38	8.7	57
397	Video-based hand manipulation capture through composite motion control. <i>ACM Transactions on Graphics</i> , 2013 , 32, 1-14	7.6	55
396	A point-cloud-based multiview stereo algorithm for free-viewpoint video. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2010 , 16, 407-18	4	52
395	Light field from micro-baseline image pair 2015 ,		51
394	. <i>IEEE Transactions on Multimedia</i> , 2016 , 18, 405-417	6.6	50
393	Performance Capture of Interacting Characters with Handheld Kinects. <i>Lecture Notes in Computer Science</i> , 2012 , 828-841	0.9	49
392	Evaluation and development of deep neural networks for image super-resolution in optical microscopy. <i>Nature Methods</i> , 2021 , 18, 194-202	21.6	49
391	. <i>IEEE Transactions on Multimedia</i> , 2013 , 15, 1843-1854	6.6	48
390	Real-Time Geometry, Albedo, and Motion Reconstruction Using a Single RGB-D Camera. <i>ACM Transactions on Graphics</i> , 2017 , 36, 1-13	7.6	48
389	Semi-Automatic 2D-to-3D Conversion Using Disparity Propagation. <i>IEEE Transactions on Broadcasting</i> , 2011 , 57, 491-499	4.7	47
388	Light Field Reconstruction Using Convolutional Network on EPI and Extended Applications. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 1681-1694	13.3	46
387	On the recording reference contribution to EEG correlation, phase synchrony, and coherence. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 1294-304		46
386	Adaptive Residual Networks for High-Quality Image Restoration. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 3150-3163	8.7	45
385	Decomposing Global Light Transport Using Time of Flight Imaging. <i>International Journal of Computer Vision</i> , 2014 , 107, 123-138	10.6	45

384	Real-Time Geometry, Albedo, and Motion Reconstruction Using a Single RGB-D Camera. <i>ACM Transactions on Graphics</i> , 2017 , 36, 1	7.6	45
383	Fourier ptychographic reconstruction using Poisson maximum likelihood and truncated Wirtinger gradient. <i>Scientific Reports</i> , 2016 , 6, 27384	4.9	45
382	Video-rate imaging of biological dynamics at centimetre scale and micrometre resolution. <i>Nature Photonics</i> , 2019 , 13, 809-816	33.9	44
381	Learning Sheared EPI Structure for Light Field Reconstruction. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 3261-3273	8.7	43
380	Stretchable and Highly Sensitive Optical Strain Sensors for Human-Activity Monitoring and Healthcare. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 33589-33598	9.5	42
379	Fusing multiview and photometric stereo for 3D reconstruction under uncalibrated illumination. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2011 , 17, 1082-95	4	42
378	Causality analysis of neural connectivity: critical examination of existing methods and advances of new methods. <i>IEEE Transactions on Neural Networks</i> , 2011 , 22, 829-44		41
377	Absolute depth estimation from a single defocused image. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 4545-50	8.7	39
376	View-based 3D model retrieval with probabilistic graph model. <i>Neurocomputing</i> , 2010 , 73, 1900-1905	5.4	39
375	Light-Field Depth Estimation via Epipolar Plane Image Analysis and Locally Linear Embedding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2017 , 27, 739-747	6.4	38
374	Image and Video Denoising Using Adaptive Dual-Tree Discrete Wavelet Packets. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2009 , 19, 642-655	6.4	38
373	DECODE: Deep Confidence Network for Robust Image Classification. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 3752-3765	8.7	38
372	2019 ,		38
371	Efficient single pixel imaging in Fourier space. <i>Journal of Optics (United Kingdom)</i> , 2016 , 18, 085704	1.7	37
370	Super-resolution imaging of fluorescent dipoles via polarized structured illumination microscopy. <i>Nature Communications</i> , 2019 , 10, 4694	17.4	37
369	. <i>IEEE Transactions on Multimedia</i> , 2016 , 18, 2104-2114	6.6	36
368	Self-learning based Fourier ptychographic microscopy. <i>Optics Express</i> , 2015 , 23, 18471-86	3.3	35
367	Video-based characters. <i>ACM Transactions on Graphics</i> , 2011 , 30, 1-10	7.6	35

366	Soft and Stretchable Polymeric Optical Waveguide-Based Sensors for Wearable and Biomedical Applications. <i>Sensors</i> , 2019 , 19,	3.8	33
365	High resolution multispectral video capture with a hybrid camera system 2011 ,		33
364	Ways to sparse representation: An overview. <i>Science in China Series F: Information Sciences</i> , 2009 , 52, 695-703		33
363	In situ optical backpropagation training of diffractive optical neural networks. <i>Photonics Research</i> , 2020 , 8, 940	6	33
362	High Speed Computational Ghost Imaging via Spatial Sweeping. <i>Scientific Reports</i> , 2017 , 7, 45325	4.9	32
361	Noisy Depth Maps Fusion for Multiview Stereo Via Matrix Completion. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2012 , 6, 566-582	7.5	32
360	Broadband perovskite quantum dot spectrometer beyond human visual resolution. <i>Light: Science and Applications</i> , 2020 , 9, 73	16.7	31
359	Efficient single-pixel multispectral imaging via non-mechanical spatio-spectral modulation. <i>Scientific Reports</i> , 2017 , 7, 41435	4.9	31
358	Weakly supervised visual dictionary learning by harnessing image attributes. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 5400-11	8.7	30
357	Acquisition of High Spatial and Spectral Resolution Video with a Hybrid Camera System. <i>International Journal of Computer Vision</i> , 2014 , 110, 141-155	10.6	30
356	Markerless Shape and Motion Capture From Multiview Video Sequences. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2011 , 21, 320-334	6.4	30
355	Covariance discriminative learning: A natural and efficient approach to image set classification 2012 ,		30
354	Snapshot Hyperspectral Volumetric Microscopy. <i>Scientific Reports</i> , 2016 , 6, 24624	4.9	30
353	Wearable and Skin-Mountable Fiber-Optic Strain Sensors Interrogated by a Free-Running, Dual-Comb Fiber Laser. <i>Advanced Optical Materials</i> , 2019 , 7, 1900086	8.1	29
352	Video-based characters 2011 ,		29
351	Image-based Material Weathering. <i>Computer Graphics Forum</i> , 2008 , 27, 617-626	2.4	29
350	The Light Field Attachment: Turning a DSLR into a Light Field Camera Using a Low Budget Camera Ring. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2017 , 23, 2357-2364	4	28
349	Weighted Subspace Distance and Its Applications to Object Recognition and Retrieval With Image Sets. <i>IEEE Signal Processing Letters</i> , 2009 , 16, 227-230	3.2	28

348	Image coding using dual-tree discrete wavelet transform. <i>IEEE Transactions on Image Processing</i> , 2008 , 17, 1555-69	8.7	28
347	Sparse Coding-Inspired Optimal Trading System for HFT Industry. <i>IEEE Transactions on Industrial Informatics</i> , 2015 , 11, 467-475	11.9	27
346	Capturing Relightable Human Performances under General Uncontrolled Illumination. <i>Computer Graphics Forum</i> , 2013 , 32, 275-284	2.4	27
345	Content-adaptive high-resolution hyperspectral video acquisition with a hybrid camera system. <i>Optics Letters</i> , 2014 , 39, 937-40	3	27
344	2020 ,		27
343	A regional image fusion based on similarity characteristics. <i>Signal Processing</i> , 2012 , 92, 1268-1280	4.4	26
342	Intelligent Microfluidics: The Convergence of Machine Learning and Microfluidics in Materials Science and Biomedicine. <i>Matter</i> , 2020 , 3, 1893-1922	12.7	26
341	Image Categorization by Learning a Propagated Graphlet Path. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 674-85	10.3	25
340	. <i>IEEE Transactions on Multimedia</i> , 2014 , 16, 299-310	6.6	24
339	Fourier Analysis on Transient Imaging with a Multifrequency Time-of-Flight Camera 2014 ,		24
338	3D object retrieval with bag-of-region-words 2010 ,		24
337	. <i>IEEE Transactions on Multimedia</i> , 2008 , 10, 1592-1604	6.6	24
336	A novel VLSI architecture for multidimensional discrete wavelet transform. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2004 , 14, 1105-1110	6.4	24
335	HybridFusion: Real-Time Performance Capture Using a Single Depth Sensor and Sparse IMUs. <i>Lecture Notes in Computer Science</i> , 2018 , 389-406	0.9	24
334	Iterative tomography with digital adaptive optics permits hour-long intravital observation of 3D subcellular dynamics at millisecond scale. <i>Cell</i> , 2021 , 184, 3318-3332.e17	56.2	24
333	From Brain Science to Artificial Intelligence. <i>Engineering</i> , 2020 , 6, 248-252	9.7	23
332	Fourier ptychographic microscopy using a generalized Anscombe transform approximation of the mixed Poisson-Gaussian likelihood. <i>Optics Express</i> , 2017 , 25, 168-179	3.3	23
331	Free Viewpoint Video Coding With Rate-Distortion Analysis. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2012 , 22, 875-889	6.4	23

330	Continuous depth estimation for multi-view stereo 2009 ,		23
329	Depth Map Coding for View Synthesis Based on Distortion Analyses. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2014 , 4, 106-117	5.2	22
328	Distance measurement based on light field geometry and ray tracing. <i>Optics Express</i> , 2017 , 25, 59-76	3.3	22
327	Patch-primitive driven compressive ghost imaging. <i>Optics Express</i> , 2015 , 23, 11092-104	3.3	21
326	Hyperspectral Computational Ghost Imaging via Temporal Multiplexing. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 288-291	2.2	21
325	Visual words assignment via information-theoretic manifold embedding. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 1924-37	10.2	21
324	Free-viewpoint video of human actors using multiple handheld Kinects. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 1370-82	10.2	21
323	Robust blind motion deblurring using near-infrared flash image. <i>Journal of Visual Communication and Image Representation</i> , 2013 , 24, 1394-1413	2.7	21
322	Nonlinear optimization approach for Fourier ptychographic microscopy. <i>Optics Express</i> , 2015 , 23, 33822-35		21
321	Steady-motion-based Dopplerlet transform: application to the estimation of range and speed of a moving sound source. <i>IEEE Journal of Oceanic Engineering</i> , 2004 , 29, 887-905	3.3	21
320	Frequency Analysis of Transient Light Transport with Applications in Bare Sensor Imaging. <i>Lecture Notes in Computer Science</i> , 2012 , 542-555	0.9	21
319	PaMIR: Parametric Model-Conditioned Implicit Representation for Image-based Human Reconstruction. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	21
318	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 1821-1836	6.6	20
317	Convolutional Sparse Coding for RGB+NIR Imaging. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 1618-1625	8.7	20
316	FlyCap: Markerless Motion Capture Using Multiple Autonomous Flying Cameras. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2018 , 24, 2284-2297	4	20
315	Transparent Object Reconstruction via Coded Transport of Intensity 2014 ,		20
314	Prior-information-free single-shot scattering imaging beyond the memory effect. <i>Optics Letters</i> , 2019 , 44, 1423-1426	3	20
313	High-dimensional super-resolution imaging reveals heterogeneity and dynamics of subcellular lipid membranes. <i>Nature Communications</i> , 2020 , 11, 5890	17.4	20

312	Motion-corrected Fourier ptychography. <i>Biomedical Optics Express</i> , 2016 , 7, 4543-4553	3.5	20
311	Multiframe denoising of high-speed optical coherence tomography data using interframe and intraframe priors. <i>Journal of Biomedical Optics</i> , 2015 , 20, 036006	3.5	19
310	Video-Based Outdoor Human Reconstruction. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2017 , 27, 760-770	6.4	19
309	Converting 2D Video to 3D: An Efficient Path to a 3D Experience. <i>IEEE MultiMedia</i> , 2011 , 18, 12-17	2.1	19
308	A Novel Method for Semi-automatic 2D to 3D Video Conversion 2008 ,		19
307	Residual DNN: training diffractive deep neural networks via learnable light shortcuts. <i>Optics Letters</i> , 2020 , 45, 2688-2691	3	19
306	Deep and Structured Robust Information Theoretic Learning for Image Analysis. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 4209-4221	8.7	19
305	A PID Controller Approach for Stochastic Optimization of Deep Networks 2018 ,		19
304	. <i>IEEE Transactions on Multimedia</i> , 2020 , 22, 830-830	6.6	18
303	Single-pixel phase and fluorescence microscope. <i>Optics Express</i> , 2018 , 26, 32451-32462	3.3	17
302	. <i>IEEE Transactions on Multimedia</i> , 2015 , 17, 40-49	6.6	16
301	Invited Article: Mask-modulated lensless imaging with multi-angle illuminations. <i>APL Photonics</i> , 2018 , 3, 060803	5.2	16
300	Joint non-Gaussian denoising and superresolving of raw high frame rate videos. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 1154-68	8.7	16
299	Commutative time guided transformation for feature extraction. <i>Computer Vision and Image Understanding</i> , 2012 , 116, 473-483	4.3	16
298	Parametric TFR via windowed exponential frequency modulated atoms. <i>IEEE Signal Processing Letters</i> , 2001 , 8, 140-142	3.2	16
297	Phase-space deconvolution for light field microscopy. <i>Optics Express</i> , 2019 , 27, 18131-18145	3.3	16
296	Resolving transient time profile in ToF imaging via log-sum sparse regularization. <i>Optics Letters</i> , 2015 , 40, 918-21	3	15
295	Plenoptic Image Coding using Macropixel-based Intra Prediction. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	15

294	Ultra-fast Lensless Computational Imaging through 5D Frequency Analysis of Time-resolved Light Transport. <i>International Journal of Computer Vision</i> , 2014 , 110, 128-140	10.6	15
293	Toward Simultaneous Visual Comfort and Depth Sensation Optimization for Stereoscopic 3-D Experience. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 4521-4533	10.2	15
292	Exploring aligned complementary image pair for blind motion deblurring 2011 ,		15
291	Function4D: Real-time Human Volumetric Capture from Very Sparse Consumer RGBD Sensors 2021 ,		15
290	PANDA: A Gigapixel-Level Human-Centric Video Dataset 2020 ,		15
289	Fourier ptychographic microscopy using wavelength multiplexing. <i>Journal of Biomedical Optics</i> , 2017 , 22, 66006	3.5	14
288	Image Reshaping for Efficient Compression of Plenoptic Content. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2017 , 11, 1173-1186	7.5	14
287	Structuring Lecture Videos by Automatic Projection Screen Localization and Analysis. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2015 , 37, 1233-46	13.3	14
286	Single-shot thermal ghost imaging using wavelength-division multiplexing. <i>Applied Physics Letters</i> , 2018 , 112, 051107	3.4	14
285	Content-adaptive ghost imaging of dynamic scenes. <i>Optics Express</i> , 2016 , 24, 7328-36	3.3	14
284	Multiscale gigapixel video: A cross resolution image matching and warping approach 2017 ,		14
283	Exponential decay sine wave learning rate for fast deep neural network training 2017 ,		14
282	Fourth-order oriented partial-differential equations for noise removal of two-photon fluorescence images. <i>Optics Letters</i> , 2010 , 35, 2943-5	3	14
281	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2010 , 20, 994-1006	6.4	14
280	Deep learning in photoacoustic imaging: a review. <i>Journal of Biomedical Optics</i> , 2021 , 26,	3.5	14
279	Collaborative Representation Cascade for Single-Image Super-Resolution. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 845-860	7.3	14
278	Toward naturalistic 2D-to-3D conversion. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 724-33	8.7	13
277	Fast widefield imaging of neuronal structure and function with optical sectioning in vivo. <i>Science Advances</i> , 2020 , 6, eaaz3870	14.3	13

276	Outdoor Markerless Motion Capture with Sparse Handheld Video Cameras. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2018 , 24, 1856-1866	4	13
275	Robust subspace segmentation via nonconvex low rank representation. <i>Information Sciences</i> , 2016 , 340-341, 144-158	7.7	13
274	Single-shot lensless imaging via simultaneous multi-angle LED illumination. <i>Optics Express</i> , 2018 , 26, 21418-21432	3.9	13
273	Three-dimensional motion estimation via matrix completion. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2012 , 42, 539-51		13
272	Statistical modeling and many-to-many matching for view-based 3D object retrieval. <i>Signal Processing: Image Communication</i> , 2010 , 25, 18-27	2.8	13
271	Fast Macroblock Mode Selection Algorithm for Multiview Video Coding. <i>Eurasip Journal on Image and Video Processing</i> , 2008 , 2008, 1-14	2.5	13
270	Contrast and resolution enhanced optical sectioning in scattering tissue using line-scanning two-photon structured illumination microscopy. <i>Optics Express</i> , 2017 , 25, 32010-32020	3.3	12
269	Bispectral coding: compressive and high-quality acquisition of fluorescence and reflectance. <i>Optics Express</i> , 2014 , 22, 1697-712	3.3	12
268	Hidden annotation for image retrieval with long-term relevance feedback learning. <i>Pattern Recognition</i> , 2005 , 38, 2007-2021	7.7	12
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